

FIGURE 1

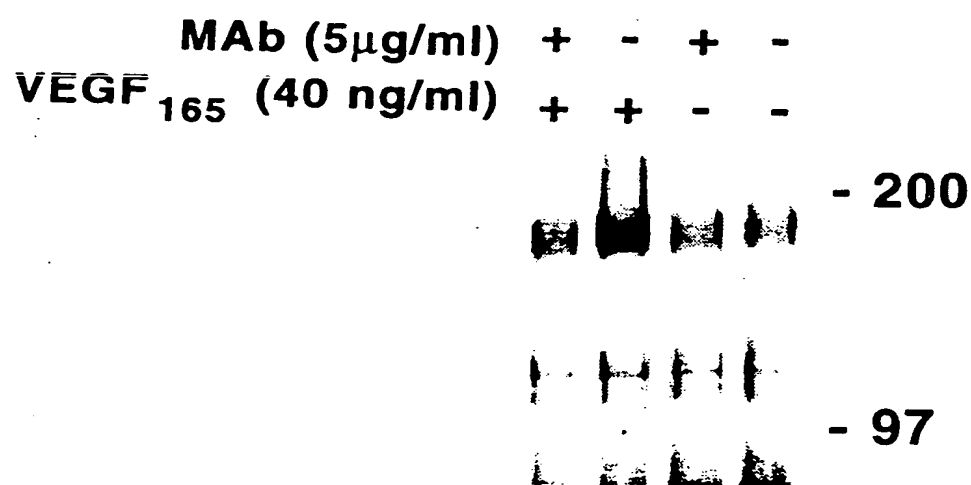
Western Blot of Flk-1/SEAPS Immunoprecipitation with MAb
DC101

Flk-1
AP



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FIGURE 2A



Probe: Anti-Ptyr

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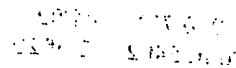
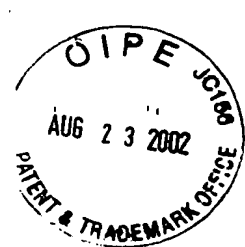


FIGURE 2B

- 200

- 97

Probe: Anti-Ptyr



SECRET
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FIGURE 3A

MAb (5 μ g/ml)
VEGF (ng/ml)

+	+	+	+	-	-	-	-	+
80	40	20	10	80	40	20	10	-



- 200

Anti-Ptyr

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FIGURE 3B

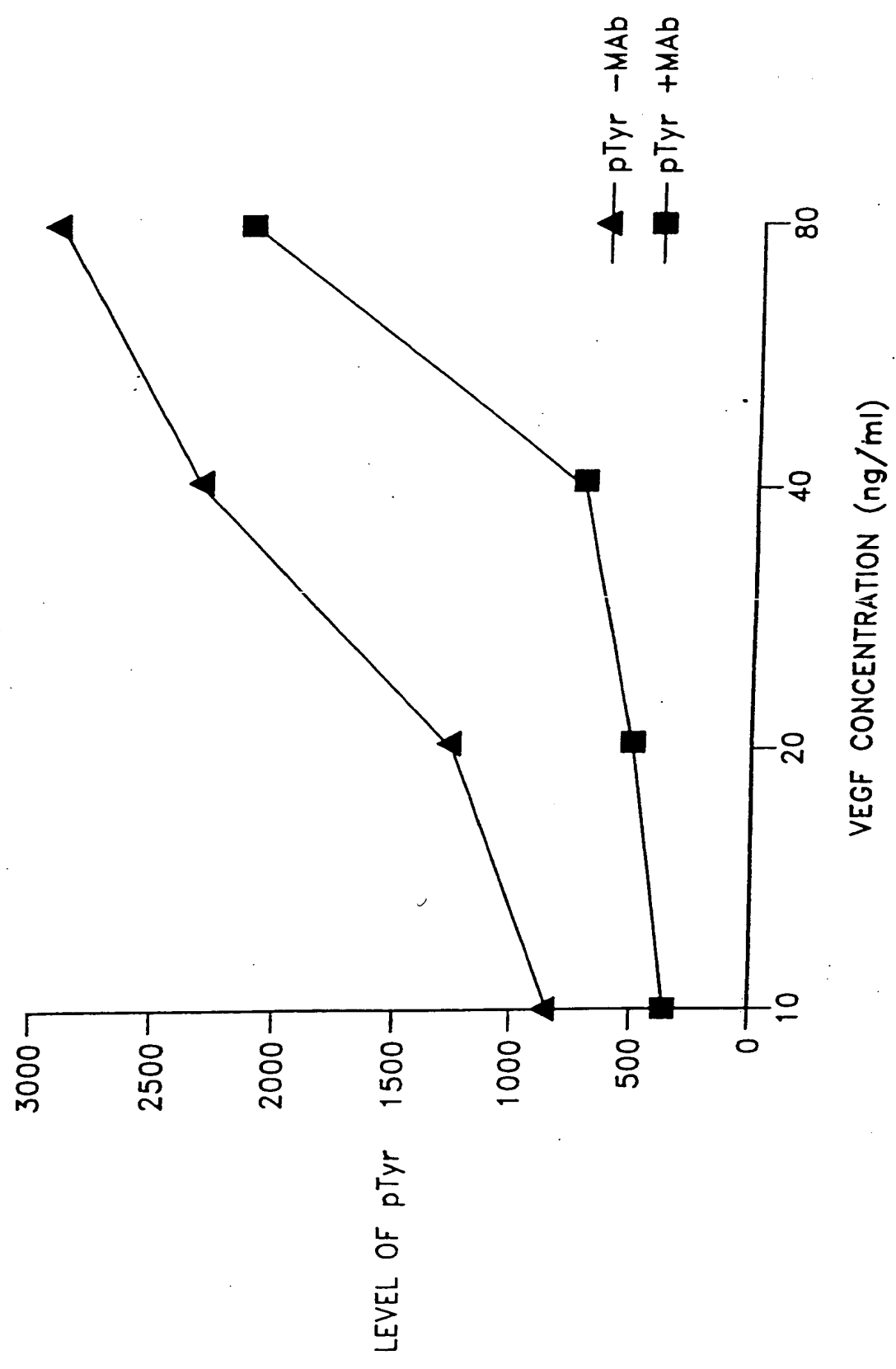


FIGURE 4

Inhibition of VEGF-Flk-1/fms activation by pre-bound MAb DC101

Assay conditions:

					P	C
MAb (5μg/ml):	-	+	-	-	$\sqrt{+}$	$\sqrt{+}$
VEGF (ng/ml):	-	-	20	40	40	40

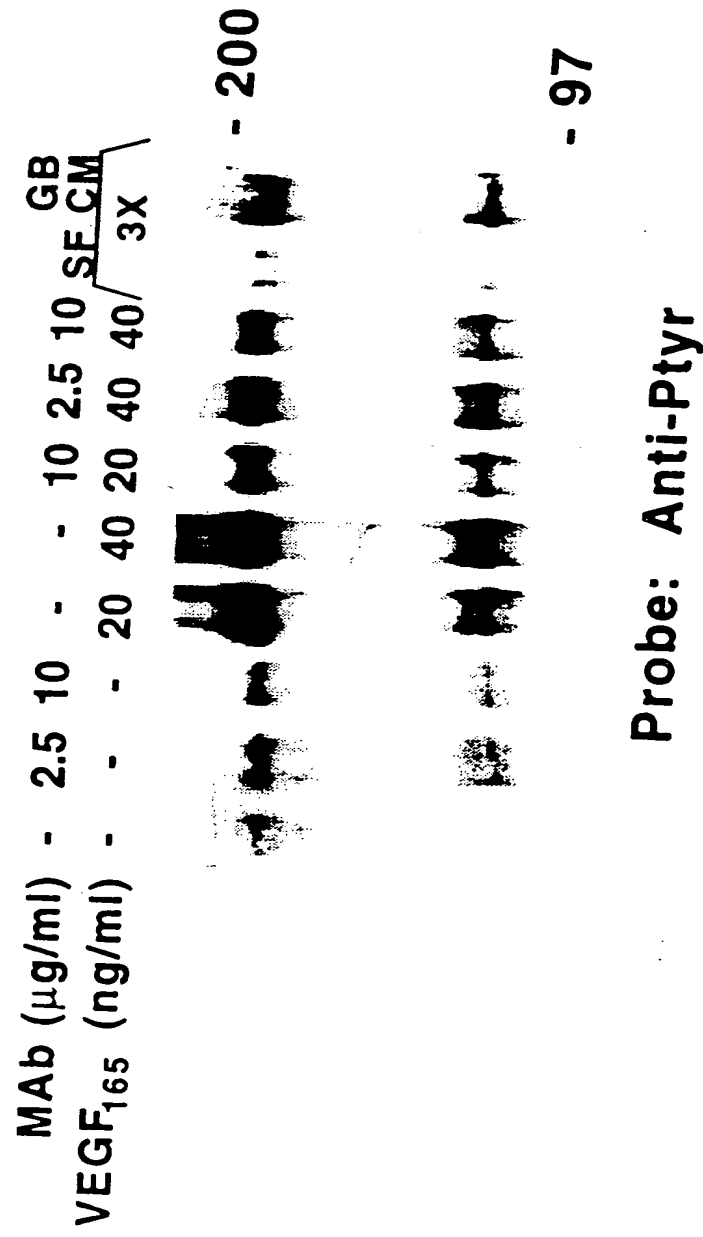


Probe: Anti-Ptyr

Assay conditions: P: MAb pre-bound 15'; VEGF 15'
 C: Competitive assay; MAb
 + VEGF 15'

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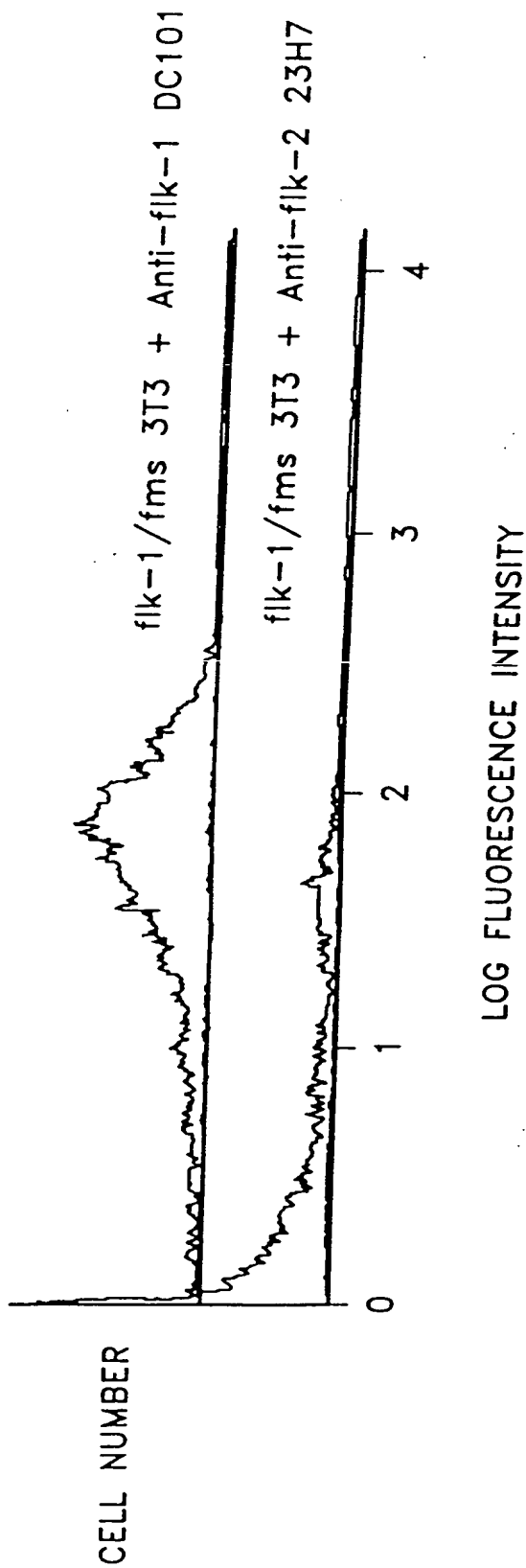
FIGURE 5



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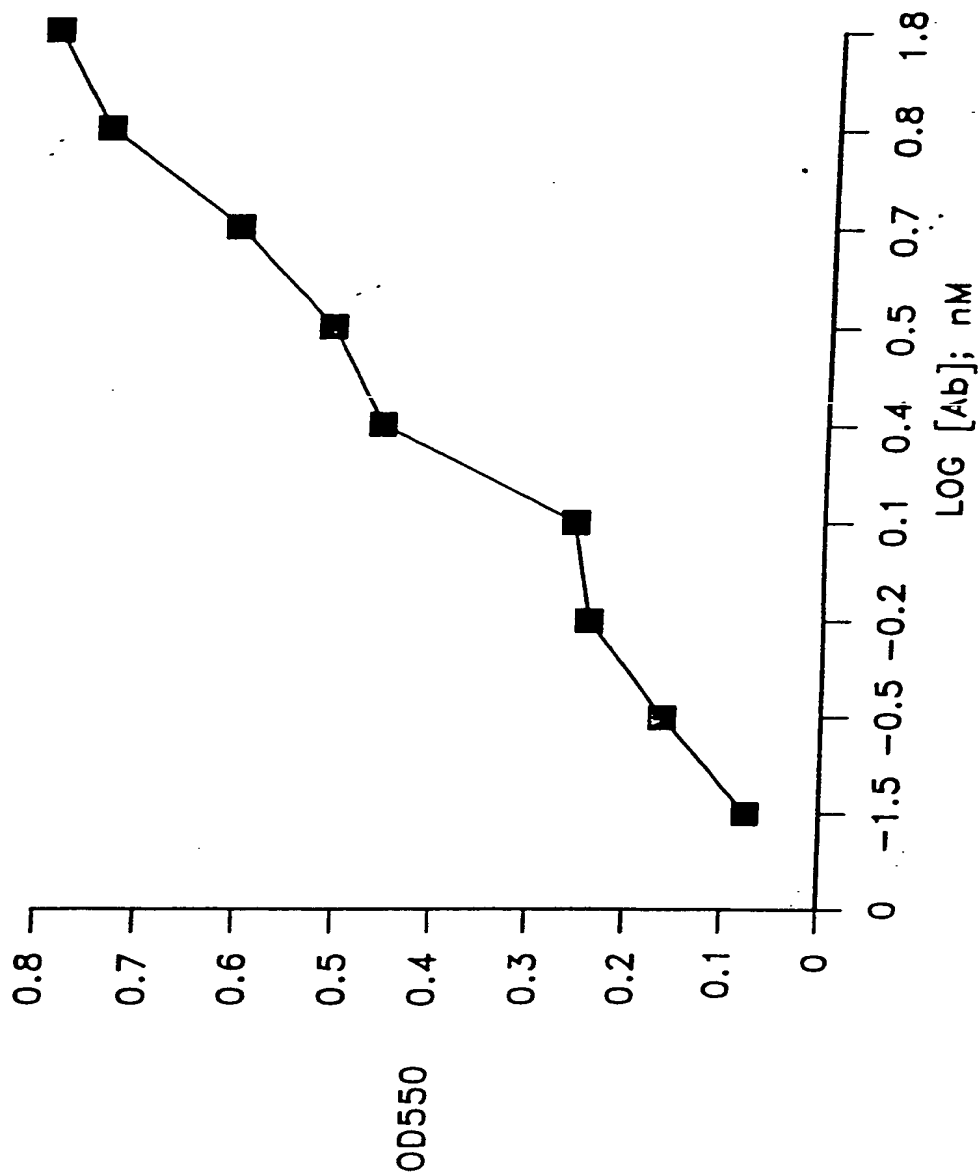


FIGURE 6 FACS ANALYSIS OF Anti-flk-1 MAb BINDING TO flk-1/fms TRANSFECTED 3T3 CELLS (C441)



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FIGURE 7 SATURATION BINDING OF MAb DC101 TO THE
flk-1/fms RECEPTOR ON THE TRANSFECTED 3T3 CELL LINE C441





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FIGURE 8

Immunoprecipitation of phosphorylated Flk-1/fms from
VEGF stimulated Flk-1/fms transfected 3T3 cells

Antibody: 1 2 3 4

 - 200

Anti-pTyr

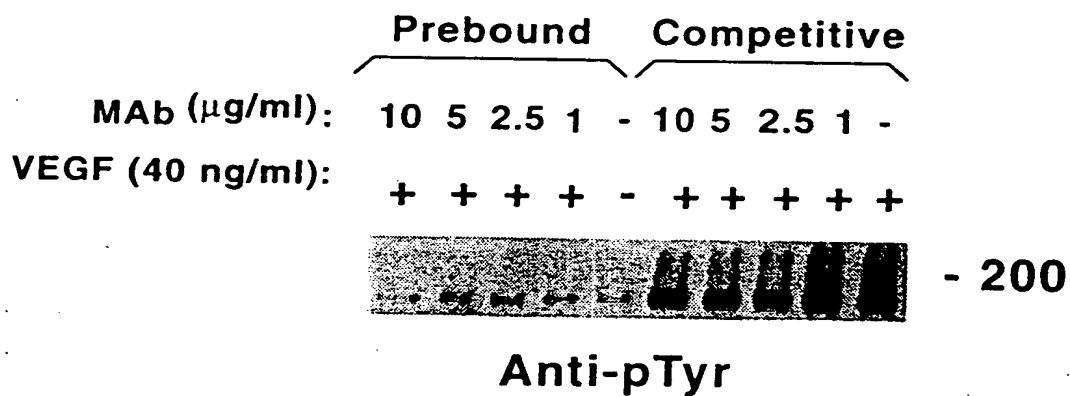
- Antibodies:
- 1) Rat anti-flk-2 IgG_{2a} 2A13
 - 2) Rat anti-flk-1 IgG₁ DC101
 - 3) Rat anti-flk-2 IgG₁ 23H7
 - 4) Rabbit anti-fms polyclonal IM 133



Patent & Trademark Office
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FIGURE 9

Sensitivity of VEGF induced phosphorylation of the Flk-1/fms receptor to inhibition by MAb DC101



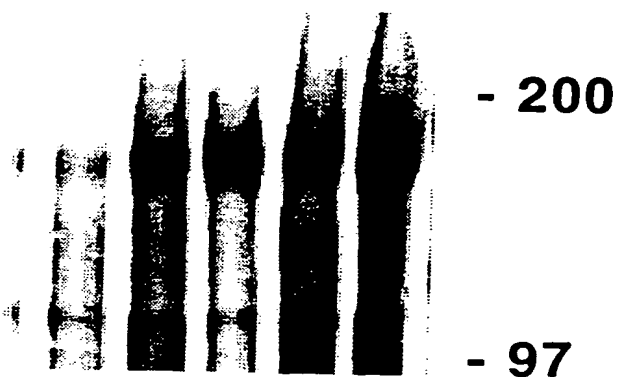


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FIGURE 10

Effect of MAb DC101 on CSF-1 induced phosphorylation of the *fms* receptor

MAb (5 μ g/ml)	-	+	-	-	+	+
CSF-1 (ng/ml)	-	-	20	40	20	40

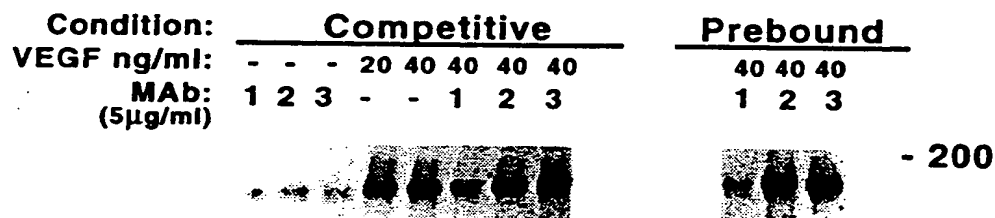


Probe: Anti-Ptyr

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FIGURE 11

Specificity of MAb DC101 neutralization of the activated Flk-1/fms receptor



Anti pTyr



Anti-FMS

- Rat MAbs:
- 1) Anti-flk-1 IgG₁ DC101
 - 2) Anti-flk-2 IgG₁ 23H7
 - 3) Anti-flk-2 IgG_{2a} 2A13

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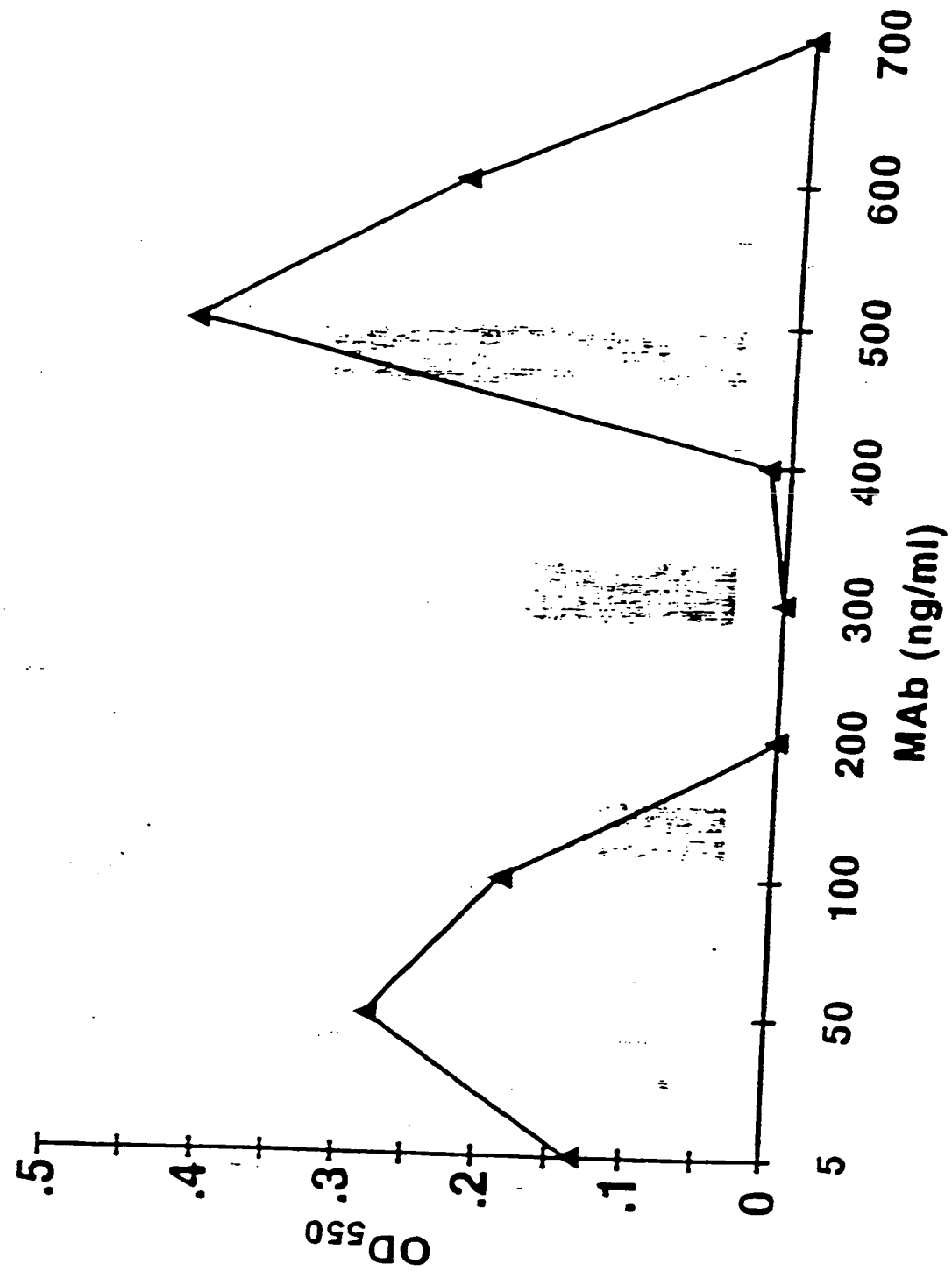
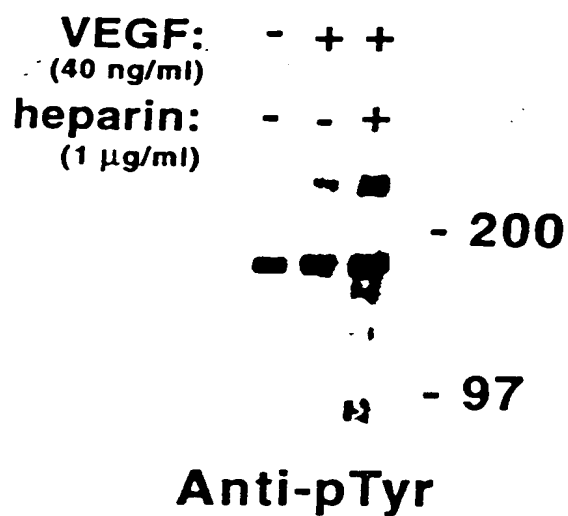


Figure 12

FIGURE 13

Immunoprecipitation of phosphorylated receptor bands from
VEGF stimulated HUVEC cells

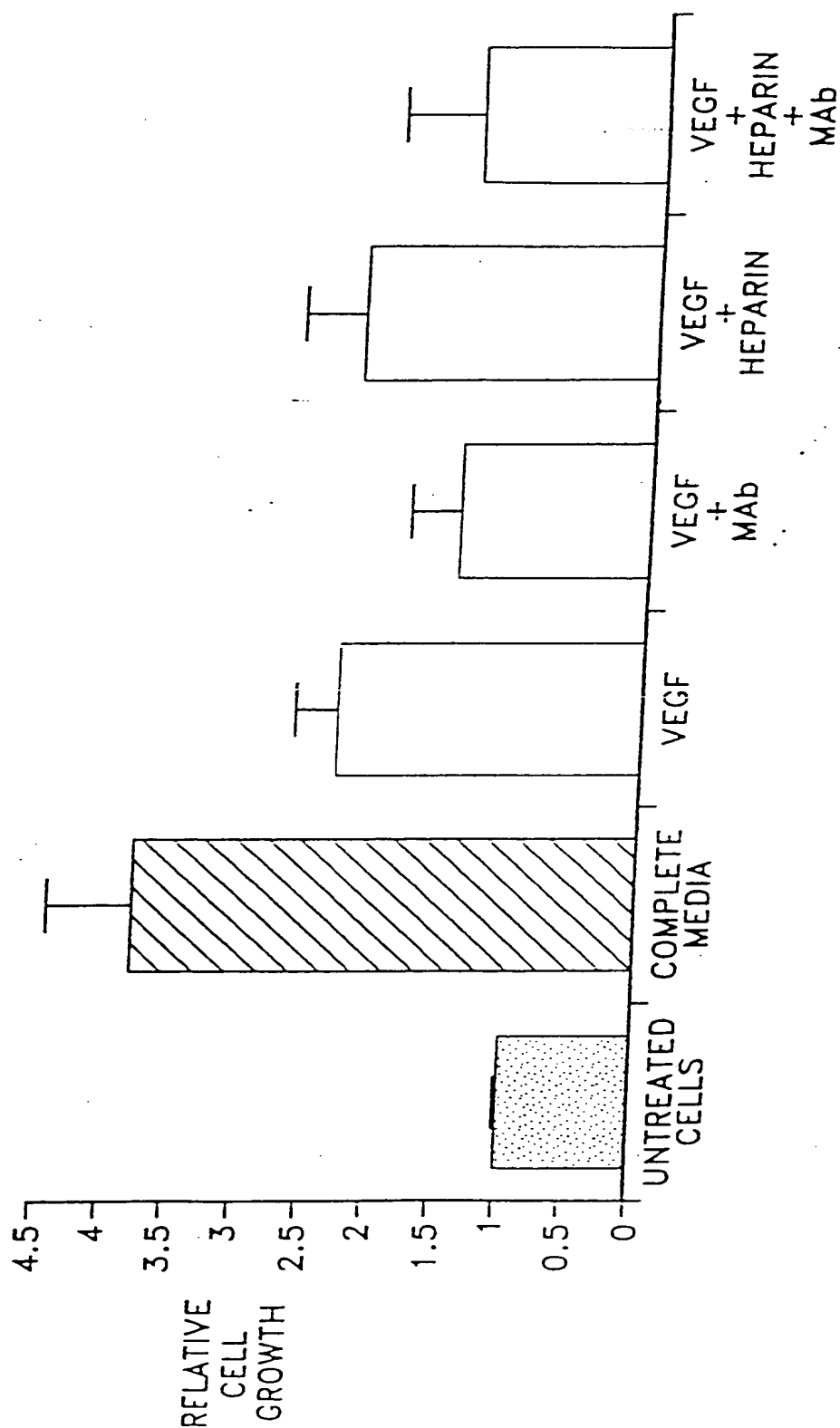


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FIGURE 14

CONTROL 10% FBS+EC SUPPLEMENT VEGF



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Effect of MAb DC101 on VEGF Receptor Forms in the Tumor Cell Lines A431 and 8161

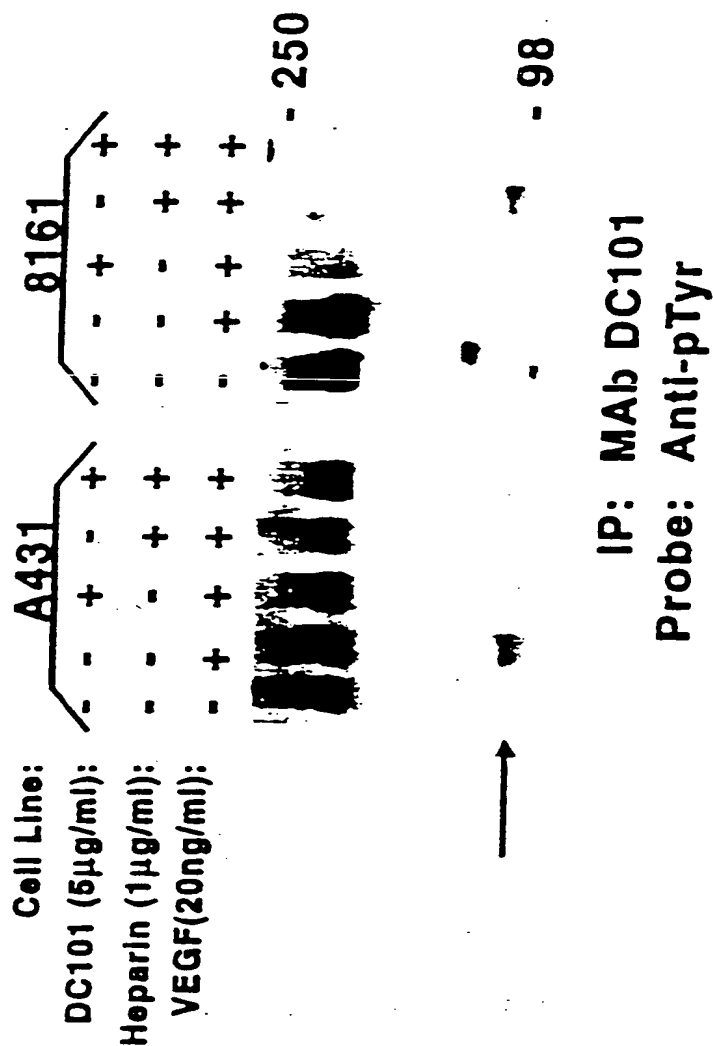
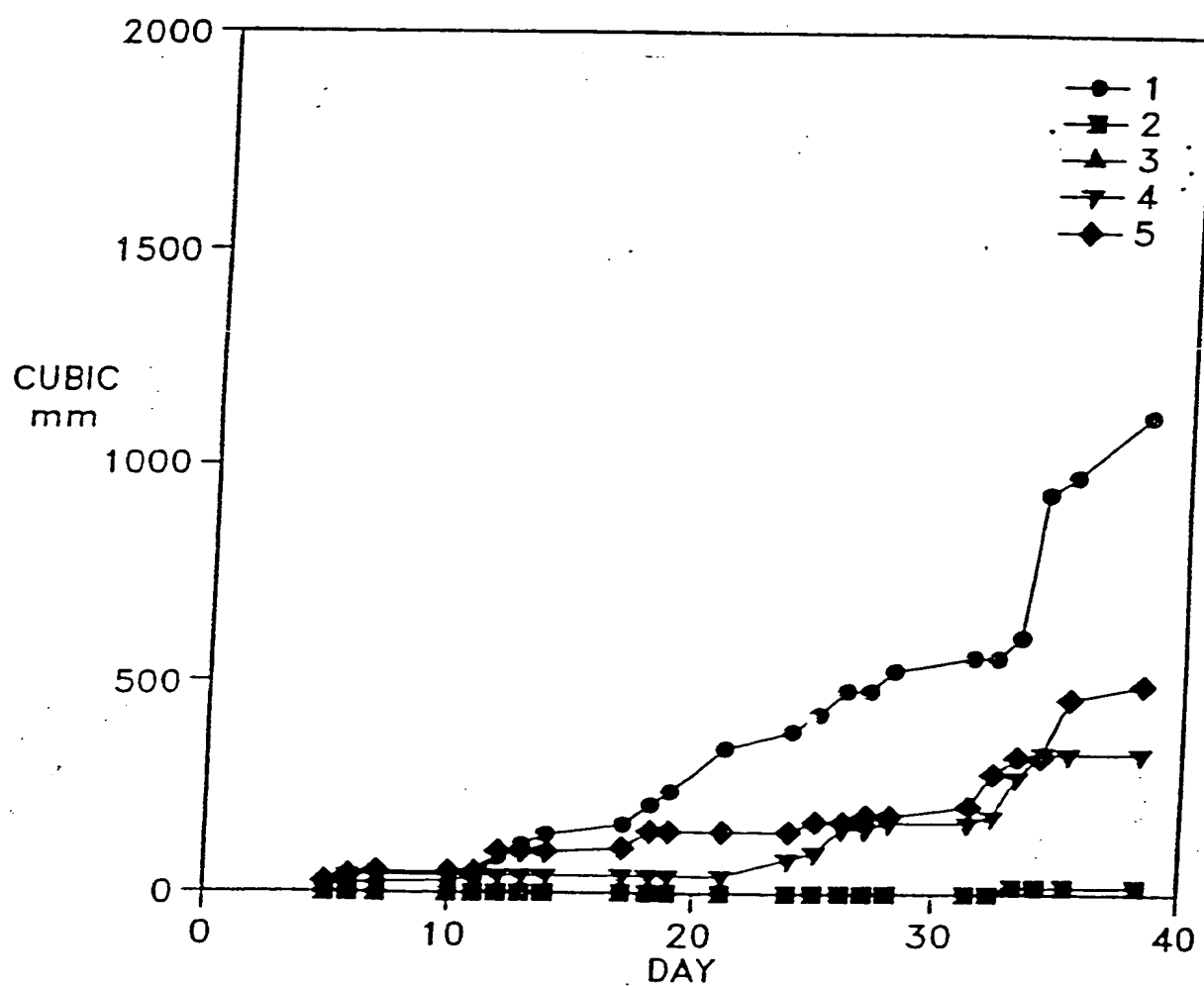


Figure 15



FIGURE 16A

TREATMENT OF GLIOBLASTOMA
XENOGRAPHS WITH RAT anti-flk-1 Mab



STATISTICAL ANALYSIS

flk-1 SLOPE = 16.09

p VALUE FOR flk-1 VERSUS flk-2 TUMOR SIZE = 0.0001

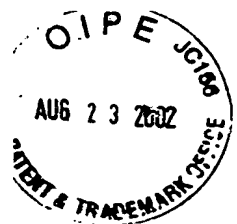
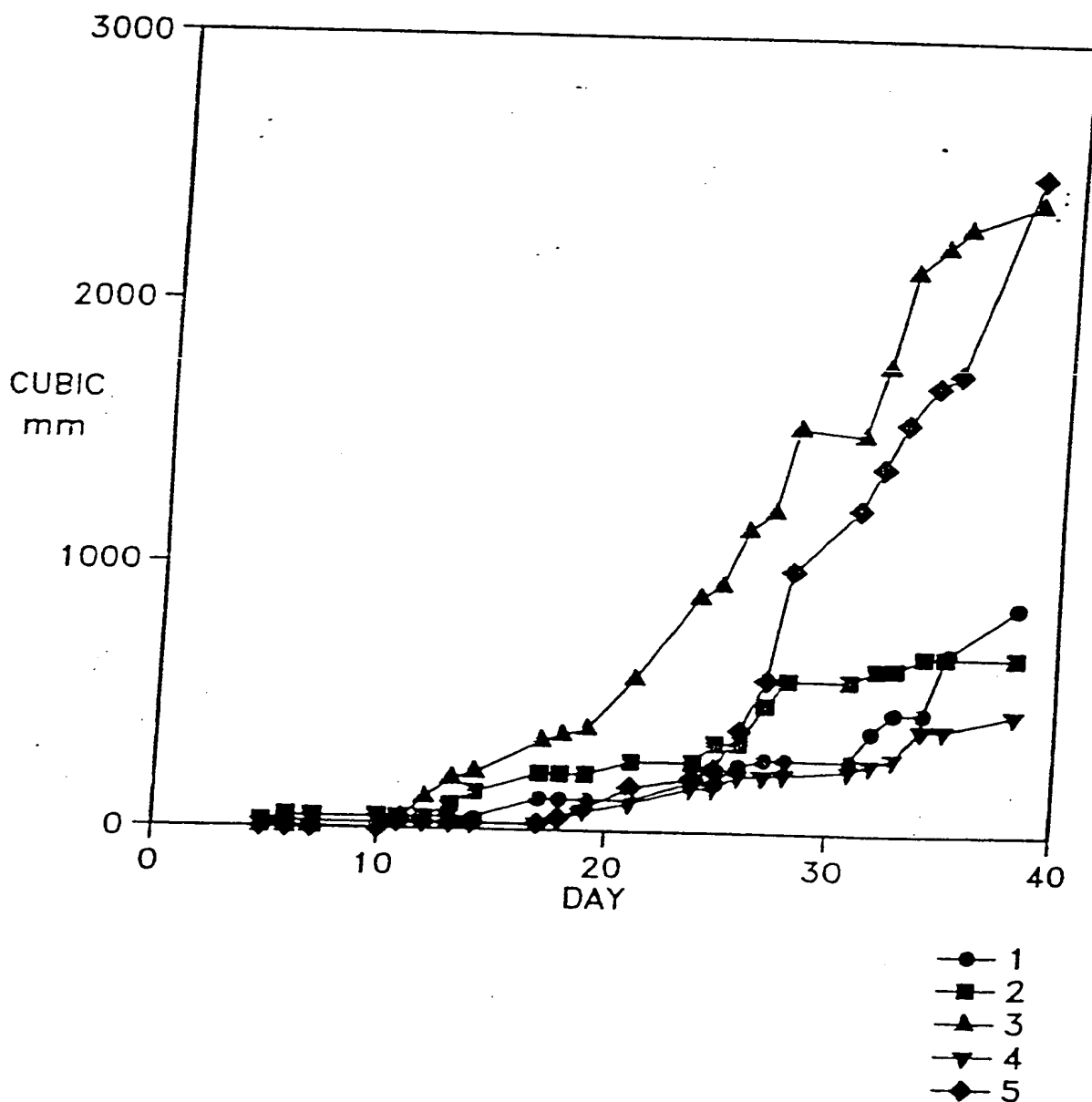


FIGURE 16B

TREATMENT OF GLIOBLASTOMA
XENOGRAPHS WITH RAT anti-flk-2 MAb



STATISTICAL ANALYSIS

flk-2 SLOPE = 37.39

p VALUE FOR flk-1 VERSUS flk-2 TUMOR SIZE = 0.0001

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FIGURE 17

